Information Security

Course code	student workload	credits (according to ECTS)	semester	frequency	duration
CIF62013	120 hours	6 ECTS (4.5 ECTS for theory and 1.5 ECTS for practical work)	Sem. 4	each even-semester	16 meetings

1	Types of courses	contact hours	independent study	class size
	Compulsory (Study Programme level)	84 hours	36 hours	40 students

5 Prerequisites for participation

Computer Networking (CCE61153)

2 Learning outcomes

IF-ILO-2

Graduates have the ability to be scientific, work collaboratively, have a professional attitude, and have good adaptation skills when working in groups or as an individual

IF-ILO-3

Graduates are able to develop professional careers in the field of computer science based on quality aspects, data-based decision making, be responsible, and make continuous improvements.

IF-ILO-4

Graduates have the ability to think computationally, design-based thinking, conduct analysis with scientific writing, and are able to apply the values of Technopreneurship in creating product innovations in the Systems or Information Technology domain.

IF-ILO-7

Mastering the theoretical concept and principles of computer science, especially in the aspect of algorithms, programming, intelligent systems, information management, parallel and distributed computing, information security, human-computer interaction, software engineering, and fundamentals of computer systems and networks.

IF-ILO-11

Graduates are able to plan, develop, manage, and analyze the computer network-based system and the services running on top of them by considering the network security aspects.

3 Subject aims

	1. Able to understand the basic concepts of information security 2. Able to understand technical aspects of information security 3. Able to understand the legal and ethical aspects of using information technology devices 4. Able to understand managerial aspects of information security
4	**Teaching methods** Lectures, case study, class discussion, presentation
6	**Assessment methods** Assignment, mid-term examination, end-term examination, project evaluation, practical-skill assessment
8	**This module is used in the following degree programmes as well**
10	**Responsibility for module** ***Name of lecturers***
11	**Other information** 1. Michael E. Whitman, Herbert J. Mattford, Principles of Information Security, edisi ke-4, Course Technology, 2012. 2. ISO/IEC 27001 — Information security management 3. ITE Law